

Why Measure Safety Performance?

- Compare performance among IRF countries
- Identify changes over time are we improving?
- Focus IRF efforts where improvements are needed
- Provide benchmark for evaluating the effect of IRF collaboration



Performance Data is Available

Valuable Data Sources...

- Individual IRF countries incident data gathering, compiling, and publishing
- Industry organizations (i.e. IADC and OGP) compile incident data on a global basis
- International databases (e.g. WOAD)



Performance Data is Available

IRF data provides a unique perspective ...

- Data is comprehensive (all operators)
- IRF represents different offshore environments
- IRF represents different regulatory regimes
- Promote development of standard indicators and definitions



Performance Indicators

- Fatalities
- Major Injuries
- > 3 Days Lost Time
- 1-3 Days Lost Time

Per Million Hours Worked



Estimating the Cost of Injuries

Lost Time Injuries, CY 2006

- Major Injuries
- 3 Day Injuries
- 1-3 Day Injuries

2,072 Days

1,980 Days

+ 402 Days

4,454 Days

12.2 Man-Years Lost Time



Performance Indicators

Major HC Gas Release

Rate > 1 kg/sec for at least 5"
Amount > 300 kg

Significant HC Gas Release

Rate .1 – 1 kg/sec for 2-5" Amount 1 – 300 kg

Per Million BOE Production



Qualitative Information

HC Gas Release Summaries

- During separation plant maintenance = large release; large-scale evacuation
- After well perforation = cloud of gas covering main deck
- Leak from gas lift riser = gas entered safe and process areas; shutdown, muster, evacuation



Performance Indicators

- Fires
- Collisions
- Loss of Well Control

Per 100 Offshore Installations
Per 100 Well-Related Activities



Qualitative Information

Near Miss Summaries

- Traveling block assembly fell to drill floor = potential fatality, blowout
- Anchor dragged across subsea gas line
 potential > 800 kg gas release,
 explosion, fatalities
- Helicopter water landing = 15 crew in sea for 75 min; potential fatalities



Challenges

- Different reporting requirements --type and amount of information
 reported
- Availability of information for normalizing incident data (e.g. hours worked)
- Definitions -- clear enough to provide consistent reporting & categorization?



Status

- Compiled information for 2004-2006 (involved re-working 2004-05 data)
- Reviewing details of definitions and consistency of categorizations
- Establishing clear data quality parameters
- Several countries modifying reporting requirements



Revisions to Align with IRF Criteria

- Australia
- Canada Nova Scotia / Newfoundland
- Netherlands
- New Zealand
- United States



Summary

- We are encouraged by the progress we have made to date and anticipate more in the coming year
- We expect that these indicators will helps us assess our individual and collective safety performance
- We realize that understanding and improving safety performance involves more than measuring where we are; understanding hazards and predicting risk is also important

Performance Measurement Workgroup

Australia

Ian Crawford

Brazil

Raphael Moura

Canada

John Kennedy Stuart Pinks

Jos Marx

Netherlands New Zealand

Trevor Harrison

Norway

Torleif Husebo

United Kingdom Alan Thompson

United States Melinda Mayes



